Glencoe/McGraw-Hill

MathMatters 3: An Integrated Program

MathMatters series covers Algebra 1, Geometry, and introductory Algebra 2 content as well as measurement, probability, and statistics.

Teacher Edition

0078805740 $103.98
MathMatters 3: An Integrated Program

Essential Items

Ancillary Items

Free with Purchase items

0078665639 What's Math Got to Do with It? Real Life Video (VHS) $29.97
Free Per Teacher

0078693063 Extra Practice Workbook $3.99
Choice A: Choose 1 of 2 items per student, Print Option Only (1st year of adoption, subsequent years

0078693098 Reteaching Workbook $3.99
Choice A: Choose 1 of 2 items per student, Print Option Only (1st year of adoption, subsequent years

0078694388 Teacher Classroom Resources $189.00
Free Per Teacher

0078701252 ExamView® Pro Testmaker CD-ROM $129.99
Free Per Teacher

0078701260 Answer Key Maker CD-ROM $49.98
Free Per Teacher

0078743419 Professional Development, DVD Video Workshop $199.95
Free Per School, Print Option Only

0078749247 Educational Strategies in Mathematics for Grades 6–12: DVD Video $149.97
Free Per School, Print Option Only

0078805732 Student Edition $66.99
Free Per Student Edition Purchased (ratio 1 free Per 4 Student Editions Purchased): Print Option Only

0078881447 StudentWorks™ Plus CD-ROM $84.98
Free Per Teacher

0078881455 KY TeacherWorks™ CD-ROM $189.00
Free Per Teacher

ISBN
0078805732

Contract Price
$66.99

Grade
9,10,11,12

TYPE
P1

Copyright
2009

Author
Lynch, et al

Edition
2

Content
HS Math

Readability
8.4 Dale Chall

Accessibility
Nimas

Research
www.glencoe.com

Provided by the Publisher

ISBN 0078805732	Publisher - **Glencoe/McGraw-Hill**		
MathMatters 3: An Integrated Program			
Type - P1	Author - Lynch, et al		
Copyright - 2009	Edition - 2	Readability - 8.4 Dale Chall	
Course - HS Math		Grade(s) - 9,10,11,12	
Teacher Edition ISBN if applicable 0078805740			

Provided by the Publisher

Overall Recommendation: **Recommended as BASAL**

if this box is not checked, the evaluators have chosen NOT recommend as basal

Overall Strengths, Weaknesses, Comments:

The textbook itself provides a minimal amount of content from the Program of Studies. As part of an integrated series, this text completes the coverage of Algebra I and Geometry, but would be most appropriate for lower-achieving students.

NIMAC Accessibility	N	
Ancillary	No	
Free with Purchase	Yes	
Research	Yes	www.glencoe.com

MathMatters series covers Algebra 1, Geometry, and introductory Algebra 2 content as well as measurement, probability, and statistics.

CRITERIA

This basal resource …

A. Encompasses KY Content Standards & Grade Level Expectations — **Strong Evidence**

Text is designed to be used in an elective course outside the Program of Studies

1) Includes the 5 Big Ideas of mathematics to the following extent:	
a) Number Properties and Operations	Strong Evidence
b) Measurement	Strong Evidence
c) Geometry	Strong Evidence
d) Data Analysis and Probability	Strong Evidence
e) Algebraic Thinking	Strong Evidence
2) Addresses content-specific enduring understandings from the related Program of Studies standards.	Strong Evidence
3) Addresses content-specific skills and concepts from the related Program of Studies standards.	Strong Evidence
4) Content addressed is current, relevant and non-trivial	Strong Evidence

5) Provides opportunities for critical thinking/reasoning Strong Evidence

6) Strengths, Weaknesses, Comments:

- Specific strengths-which areas/concepts are covered exceptionally well?
- Specific weaknesses-which areas/concepts would likely require supplementing?

All strands of mathematics are represented in the textbook, with a slight emphasis on geometry. The content is not extended beyond the basic requirements of the Program of Studies. The limited scope of content may lend the textbook more toward students with weak algebra skills.

B. Functionality & Suitability — Strong Evidence

1) Suitability — **Strong Evidence**

- Should be suitable for use with a diverse population and is free of bias regarding race, age, ethnicity, gender, religion, social and/or geographic environment; is free of stereotyping or bias of any kind.

2) Content quality — **Strong Evidence**

- Free from factual errors
- Content is presented conceptually when possible—more than a mere collection of facts
- Content included accurately represents the knowledge base of the discipline
- Theories/scientific models contained represent a broad consensus of the scientific community
- Interconnections among mathematical topics

3) Connections to Literacy — **Strong Evidence**

- Employs a variety of reading levels and is grade/level appropriate
- Use of multiple representations-concrete, visual/spatial, graphs, charts, etc.
- Provides opportunities for summarizing, reviewing, and reinforcing vocabulary skills and concepts at multiple levels of difficulty for a variety of learning styles.
- Student text provides opportunity to integrate reading and writing
- Uses vocabulary that is age and content appropriate
- Focuses on critical vocabulary vs. extensive lists
- Identifies key vocabulary through definitions in both text and glossary
- The text is engaging and facilitates learning
- Embedded activities enhance the understanding of the text
  Note: may apply to either student or teacher editions

4) Connections to Technology — **Strong Evidence**

- Integrates technology and reflects the impact of technological advances
- Uses technology in the collection and/or manipulation of authentic data
- Embeds web links as a mathematics resource.

5) Support for Diverse Learners — **Strong Evidence**

- Provides support for ESL students
- Provides support for differentiation of instruction in diverse classrooms

- Challenge for gifted and talented students
- Support for students with learning difficulties
  Note: may apply to either student or teacher editions

6) Strengths, Weaknesses, Comments:

- Reviewers may provide page numbers to point out specific strong examples for individual evaluation standards.

Text is easy to read, with key words and formulas highlighted and/or in bold. Units begin with a review of prerequisite skills and contain problems at a variety of difficulty levels (but few that are truly challenging). Examples are easy to find, read, and apply to problems. Technology and manipulative use are embedded throughout.

C. Supports Inquiry and Skill Development — Strong Evidence

1) Promotes Inquiry, research and Application of Learning — Strong Evidence

- Provides opportunities for inquiry and research that includes activities such as gathering information, researching resources, observing, interviewing, and evaluating information, analyzing and synthesizing data and communicating findings and conclusions, formulating authentic questions to deepen and extend mathematical reasoning.
- Requires students to use higher-level cognitive skills (analysis, synthesis, evaluation, generalizing, justifying, etc.)
- Provides activities and projects for students to deepen their knowledge and cultivate and strengthen problem-solving and decision-making skills.
- Provides opportunities for application of learned concepts.
- Uses a variety of relevant charts, graphs, diagrams, number lines, and other illustrations to invite and motivate students to engage in discussion, problem solving, and other high-order thinking skills.
- Emphasizes conceptual understandings that invite students to predict, conclude, evaluate, develop and extend ideas to support reasoning.
  Note: may apply to either teacher or student edition

2) Skill Development — Strong Evidence

- Provides opportunities to make sense of all mathematics
- Provides opportunities to recognize, create, and extend patterns.
- Provides opportunities for critical thinking and reasoning.
- Provides opportunities to justify/prove responses.
- Provides opportunities to ask deeper questions.
- Contains embedded activities (or extensions) that emphasize use of technology for problem solving
  Note: may apply to either teacher or student edition

3) Strengths, Weaknesses, Comments:

The textbook is skill-driven, and students are given ample opportunity to practice these basic math skills. Few opportunities are given for students to go beyond the basic concepts.

D. Supports Best Practices of Teaching and Learning — Strong Evidence

1) Engages Students

Strong Evidence

- Includes content geared to the needs, interests, and abilities of all students
- Engages and motivates students using components such as real-life situations, simulations, experiments, and data gathering.
- Includes information and activities that assist students in seeing relevance of concepts (where appropriate) to their own lives and experiences
- Provides a variety of strategies, activities, and materials to enhance student learning at the appropriate learning levels
- Activities are truly congruent to the concepts addressed, not merely correlated
  Note: may apply to either teacher or student edition

2) Uses Assessment to Inform Instruction

Strong Evidence

- Includes multiple means of assessment as an integral part of instruction
- Provides evaluation measures in the teacher edition that supports differentiated learning activities
- Embedded assessments reflect a variety of Depth of Knowledge levels
  Note: may apply to either teacher or student edition

3) Strengths, Weaknesses, Comments:

- Reviewers may provide page numbers to point out specific strong examples for individual evaluation standards

The low level and skill-based approach of the textbook are appropriate for some low-achieving students, and much focus is given to remediation and prerequisite skill development. The use of higher-level thinking skills is limited.

E. Has an Organization/ Format that Supports Learning and Teaching — Strong Evidence

1) Organizational Quality

Strong Evidence

- Print and/or electronic materials present minimal barriers to learners, but also add encouragement for students to stretch and make further explorations.
- Presents chapters/lessons in an organized and logical sequence
- Provides clearly stated objectives for each lesson.
- Uses text features (e.g., titles, headings, subheadings, review questions, goals, objectives, space, print, type size, color) to enhance readability.
- Makes use of various forms of media (e.g., CD's, recordings, videos, cassette tapes, computer software, web-based components, interactive software, calculators, physical and virtual manipulatives) as either student or teacher resources
- Includes clear, accurate, appropriate and clearly explained illustrations and/or graphics that reinforce content standards.
- Incorporates a glossary, footnotes, recordings, pictures, and/or tests that aid pupils and teachers in using the book effectively
- Uses grade-appropriate type size

- Included media are durable, easy to use and have technical merit
- Construction appears to be durable and able to withstand normal use

2) Essential Components (beyond student and teacher text) Strong Evidence

- Items identified as essential components support the learning goals and concept coverage of the basal

3) Strengths, Weaknesses, Comments:

- Reviewers may provide page numbers to point out specific strong examples for individual evaluation standards.

Illustrations and graphics are well-connected to the mathematics content. Text is readable, with key vocabulary and formulas highlighted. It is extremely easy to use the index or glossary to look up concepts. Sequencing of units occasionally lacks smooth transitions.

F. Has available Ancillary/ Gratis Materials

Note: The decision whether to recommend or not recommend this resource as a basal should not be influenced by Section F

Strong Evidence

1) Ancillary/Gratis Materials

- Coordinates teacher resources easily with student material (e.g., accompaniments included, student pages shown, instructional technology indicated).
- Are well-organized and easy to use
- Provide substantive learning opportunities and are congruent with student learning goals
- Provide opportunities for high-level thinking, assessment, and/or problem solving
- Provides opportunities for intervention.

2) Strengths, Weaknesses, Comments:

- Reviewers may provide page numbers to point out specific strong examples for individual evaluation standards.

A large number of materials are included. The remediation and extra practice problems are especially useful.